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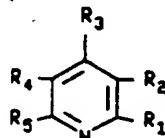
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(54) Pyridine and related aza heterocycle derivatives as cardiovascular agents.

(57) Novel pharmaceutical compounds and compositions having nitrogen containing ring systems which may be represented by the following structural formula:



wherein R₁ or R₃ is a moiety of the formula:

R₆

|

-N-Q-R₇ ;

wherein R₆ is selected from either hydrogen or acetyl; R₇ is selected from 2, 3 or 4-pyridyl or 1-imidazolyl and Q is -(CH₂)_n, where n is an integer from 1 to 5 and R₁ and R₂, R₂ and R₃, R₃ and R₄ or R₄ and R₅ taken together may be -CH=CH-CH=CH-. The compounds and compositions are useful as inhibitors of thromboxane synthetase and in the treatment of hypertension and arrhythmia in mammals.

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PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention
shall be considered, for the purposes of subsequent
proceedings, as the European search report

EP 91 10 1496

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claims	CLASSIFICATION OF THE APPLICATION (Int. CL.5)
X	<p>CHEMICAL ABSTRACTS, vol. 112, no. 7, 1990, page 757, abstract no. 55712v, Columbus, Ohio, US; YU. M. YUTILOV et al.: "Synthesis and proton NMR spectra of 2-heteroaryl-substituted imidazo(4,5-b)pyridines and imidazo(4,5-c)pyridines" & KHIM. GETEROTSIKKL. SOEDIN. 1989, (7), 940-7 *</p> <p>N-(3-nitro-4-pyridinyl)-2-pyridinemethan amine, CAS RN=124897-42-3 *</p> <p>---</p>	1,3	<p>C 07 D 401/06 C 07 D 471/04 C 07 D 401/14 C 07 D 213/85 A 61 K 31/435 C 07 D 495/04</p>
X	<p>CHEMICAL ABSTRACTS, vol. 95, no. 3, 1981, page 667, abstract no. 24740d, Columbus, Ohio, US; A. K. SAXENA et al.: "Quantitative structure activity relationship in 3,4-disubstituted pyridines and 1-(3'-amino-4'-pyridyl)-4-arylpiperazine s" & INDIAN J. CHEM., SECT. B 1980, 19B(10), 873-8</p> <p>* Abstract *</p> <p>---</p> <p>---</p>	1,3	<p>---</p>
		-/-	<p>TECHNICAL FIELDS SEARCHED (Int. CL.5)</p> <p>C 07 D A 61 K</p>
INCOMPLETE SEARCH			
<p>The Search Division considers that the present European patent application does not comply with the provisions of the European Patent Convention to such an extent that it is not possible to carry out a meaningful search into the state of the art on the basis of some of the claims</p> <p>Claims searched completely :</p> <p>Claims searched incompletely :</p> <p>Claims not searched :</p> <p>Reason for the limitation of the search:</p> <p>Remark : Although claims 5,7,8 are directed to a method of treatment of (diagnostic method practised on) the human or animal body (Article 52(4) EPC) the search has been carried out and based on the alleged effects of the compound or composition.</p>			
Place of search		Date of completion of the search	
THE HAGUE		15-11-1991	
		Examiner	
		DE JONG B.S.	
CATEGORY OF CITED DOCUMENTS			
<p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons A : member of the same patent family, corresponding document</p>			



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DOCUMENTS CONSIDERED TO BE RELEVANT		CLASSIFICATION OF THE APPLICATION (Int. Cl. 5)
Category	Citation of document with indication, where appropriate, of relevant passages	
X	CHEMICAL ABSTRACTS, vol. 88, no. 7, 1978, page 465, abstract no. 49844j, Columbus, Ohio, US; P. KOWALSKI et al.: "The analysis of mass spectra of N-(2-pyridyl-methyl)aminopyridines" & ZESZ. NAUK. UNIW. JAGIELLON., PR. CHEM. 1977, 22, 21-8 * Abstract * ---	1
X	CHEMICAL ABSTRACTS, vol. 86, no. 23, 1977, page 531, abstract no. 171202x, Columbus, Ohio, US; W. CZUBA et al.: "Syntheses of N-(2-pyridylmethyl)aminopyridines and their properties" & CZAS. TECH., M 1975, 79(6-8), 83-5 * Abstract * ---	1
A	US-A-4 555 519 (AMERICAN CYANAMID CO.) * The whole document * ---	1,5
A	US-A-4 362 734 (STERLING DRUG INC.) * The whole document * -----	1,5